



Gulf of Mexico Harmful Algal Bloom Bulletin

14 April 2005

National Ocean Service

National Environmental Satellite, Data, and Information Service

Last bulletin: April 11, 2005

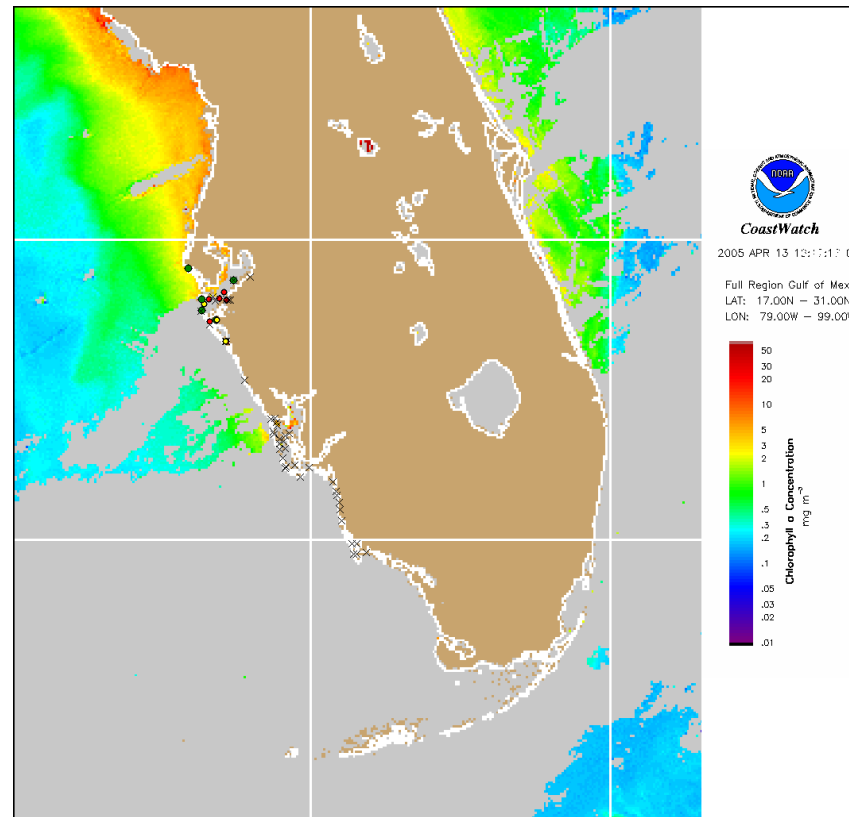
Conditions: A harmful algal bloom has been identified off of Manatee and Sarasota Counties. Patchy low impacts are possible today, with patchy very low impacts likely tomorrow through Monday.

Analysis: The bloom continues to weaken. Imagery from April 11 shows a chlorophyll level $>4 \mu\text{g/L}$ 28 km (17 miles) south of Boca Grande at $26^{\circ}33'N$, $82^{\circ}13'W$. *Karenia brevis* was not present in samples taken in Collier County on April 11. Little movement of the bloom is expected and intensification is unlikely.

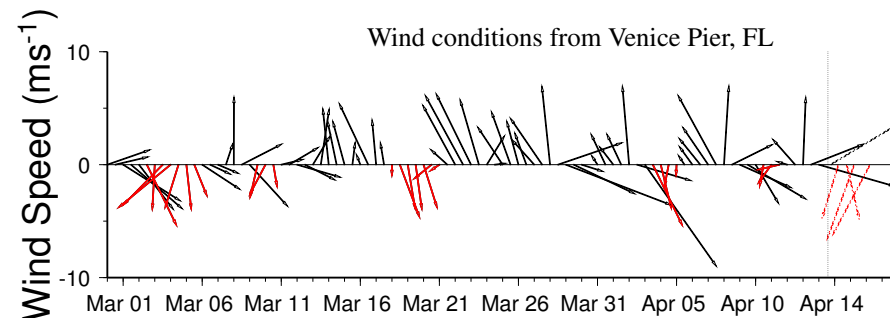
Cedar Key: FWRI reported a visual sighting of reddish discoloration 3-5 miles west of Cedar Key on April 13. Imagery on April 13 indicates a chlorophyll level $>12 \mu\text{g/L}$ 14 km (8 miles) southwest of Cedar Key at $29^{\circ}2'N$, $83^{\circ}5'W$. Sampling is recommended.

Keys: No recent samples are available in the Keys, but imagery indicates a chlorophyll level $>6 \mu\text{g/L}$ northwest of Marathon.

Bronder, Fisher



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from April 1, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

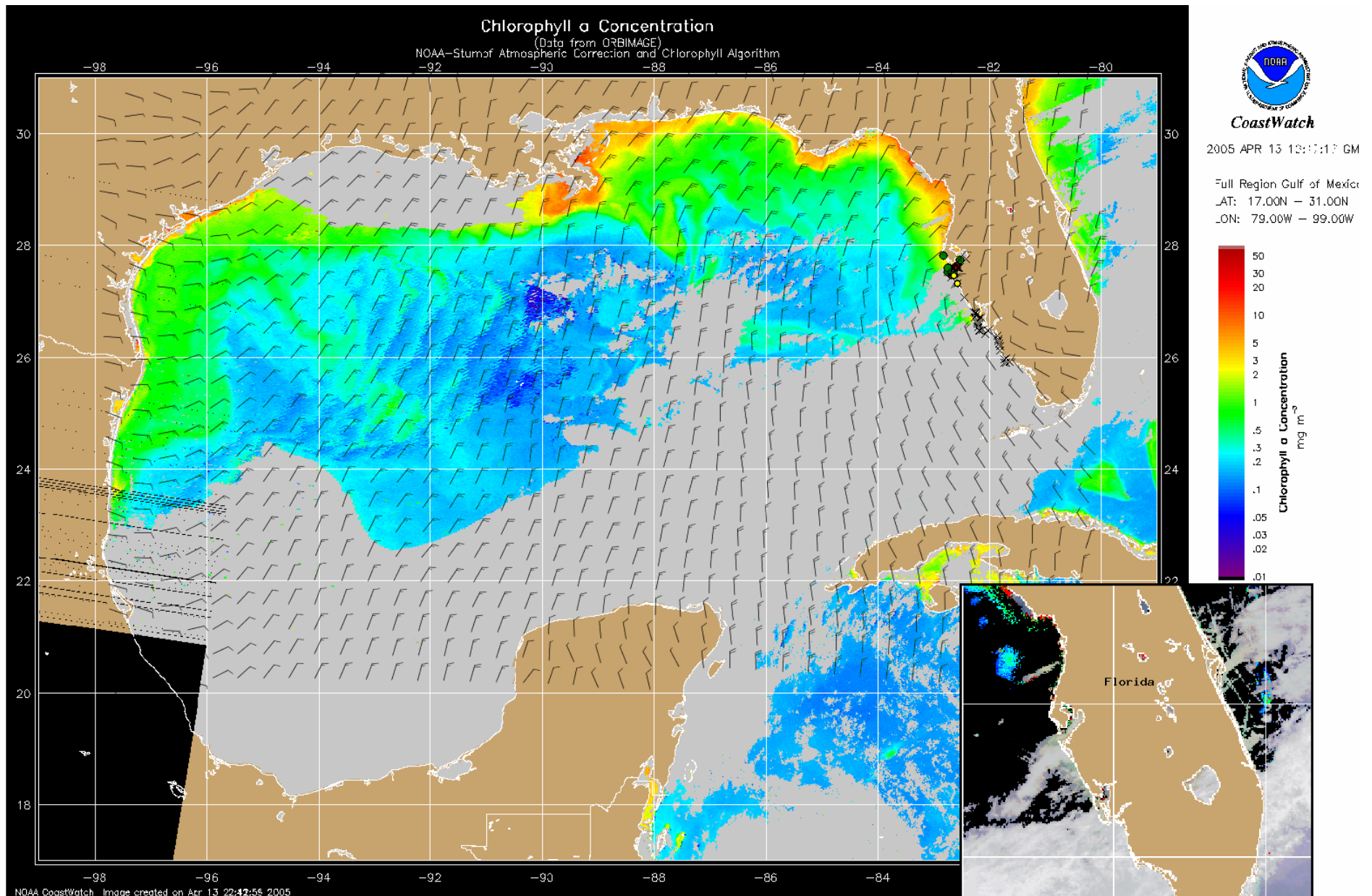


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

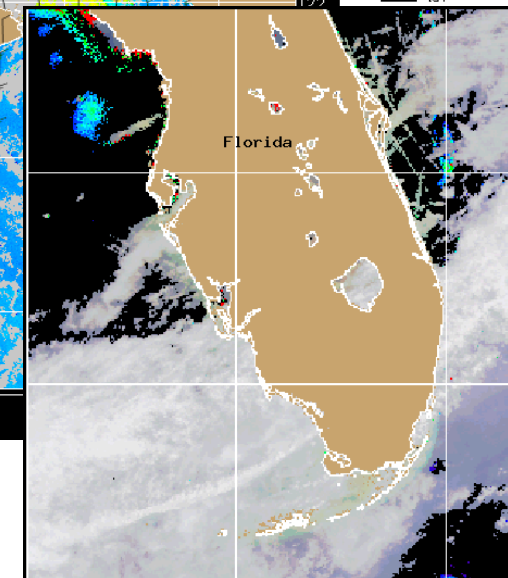
SW Florida: Winds will be northwest today (15 kts, 8 m/s), northeast (15 kts, 8 m/s) tonight through Saturday, east (10 kts, 5 m/s) on Sunday and Monday.

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2. Distribution for military, or commercial purposes is NOT permitted.
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4. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.



Chlorophyll concentration from satellite and forecast winds for April 15, 2005 06Z with cell concentration sampling data from April 1, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Blooms shown in red (see p. 1 analysis and image for interpretation)